



STUMP AUGER

! Read this entire manual. This safety alert symbol is used throughout this manual to call your attention to messages involving your personal safety and the safety of others. Failure to follow these instructions can result in injury or death.

! WARNING

Si no entiende ingles, se prefiere que busque a alguien que interprete las instrucciones para usted.

Owner: _____
Date Purchased: _____
Manual #: <u>9MSTUMP2459716</u>

Operator's Manual

Danuser LLC
500 E. 3rd St.
P.O. Box 368
Fulton, MO 65251
Tel: (573) 642-2246 Fax: (573) 642-2240
E-mail: sales@danuser.com
Website: www.danuser.com



Dear Owner/Operator,

Thank you for purchasing this Danuser Stump Auger. We appreciate your business.

The Stump Auger is designed to meet the needs of farmers, ranchers, landscapers, and fencing professionals. The Stump Auger connects onto a hydraulic auger drive unit and is used to remove stumps.

Your safety as an operator of our product is very important to us. Therefore, **before** you assemble, install, operate, maintain, remove, or move your Danuser Stump Auger, read and understand this manual thoroughly. If there is anything you do not understand, immediately contact your dealer, or contact our factory directly.

Phone:	(573) 642-2246
Fax:	(573) 642-2240
E-mail:	sales@danuser.com

Your satisfaction in the performance and longevity of our product is also very important to us and can be prolonged by proper assembly, installation, operation, and maintenance as instructed in this manual.

Thank you again for your business and for your trust in our product. Please feel free to contact us at any time for further assistance.

Sincerely,

Danuser LLC
500 E. 3rd St.
P.O. Box 368
Fulton, MO 65251

Tel: (573) 642-2246 Fax: (573) 642-2240
E-mail: sales@danuser.com Website: www.danuser.com

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Danuser is a registered trademark.

Foreword

Please read this manual thoroughly!

Before you assemble, install, operate, maintain, service, remove, or move your Danuser Stump Auger, read this manual thoroughly. If there is anything you do not understand, immediately contact your dealer, or call our factory directly at (573) 642-2246. Powered equipment can be dangerous if not assembled, installed, operated, maintained, serviced, removed, or moved properly.

Symbols

 This SAFETY ALERT symbol identifies important safety messages. Carefully read each safety message that follows. Failure to understand and obey a safety message, or recognize a safety hazard, could result in injury or death to you or others around you. The operator is ultimately responsible for the safety of himself, as well as others, in the operating area of the Stump Auger.





<i>Symbol</i>	<i>Meaning</i>
	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, including hazards that are exposed when guards are removed.
	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
	This is important information for proper use of this equipment. Failure to comply may lead to premature equipment failure.

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⚠️ WARNING

Working with unfamiliar equipment can lead to careless injuries. Read and understand this manual and the manual for your vehicle before assembling, installing, operating, maintaining, servicing, removing, or moving this Stump Auger. If there is anything in this manual you do not understand, contact your dealer or Danuser LLC. The safe use of this equipment is strictly up to you, the operator. If this Stump Auger is used, loaned, or rented by any other person, it is the owner's responsibility to make certain that the operator prior to operating:

- Reads and understands the Operator's Manuals
- Is instructed in safe and proper use

There is an entanglement risk if you replace the retaining bolt with one longer than specified by Danuser LLC. This improper replacement occurs most often on equipment that is loaned or rented to someone who has not read the Operator's Manual and is not familiar with the Stump Auger.

- This Stump Auger is designed to be used in conjunction with a hydraulic auger drive unit mounted to the front of the vehicle. The Stump Auger must be positioned such that all planing operations can be easily seen.
- Do not use the Stump Auger on a power take-off (PTO) driven post hole digger.
- It is the responsibility of the operator to see that no one is within twenty-five feet (25') of the Stump Auger when it is started or in use. Do not operate the Stump Auger with another person near or in contact with any part of the drive unit or Stump Auger. Serious personal injury or death may result if any attempt is made to assist planing operation by hand.
- All operators of this attachment must read and understand this entire manual, paying particular attention to safety messages and operation instructions, prior to assembling, installing, operating, maintaining, servicing, removing, or moving the Stump Auger.
- Please remember it is also important that you read, understand, and follow the safety signs on the attachment. Clean or replace all safety signs if they cannot be clearly read and understood. They are there for your safety as well as the safety of others. Danuser LLC will furnish new safety signs upon request at no charge.
- All things with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes potential hazards and follows reasonable safety practices.
- Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, maintenance, service, removal, or movement of the attachment.
- When the use of hand tools is required to perform any part of assembly, installation, maintenance, service, removal, or movement of the Stump Auger, be sure the tools used are designed and recommended by the tool manufacturer for that specific task.
- Always use two people to handle heavy, unwieldy components during assembly, installation, maintenance, service, removal, or movement of the attachment.
- Never place any part of your body where it would be in danger if movement should occur during assembly, installation, operation, maintenance, service, removal, or movement of the Stump Auger.

Safety

(continued)

- Cutting blades and pilot assembly are sharp and can cause lacerations. Use caution when in contact with and wear personal protection equipment.
- Check clearances between vehicle and Stump Auger, as well as operator and Stump Auger, across the full range of loader arms' operating heights.
- Only properly trained people should operate this equipment. Do not allow anyone who has not read this entire manual and understood the safety rules, safety signs, and operation instructions to use this attachment.
- Never allow children to operate or be around this Stump Auger.
- Do not allow riders on the equipment at any time. There is no safe place for any riders.
- Never use alcoholic beverages or drugs which can hinder alertness or coordination while operating this equipment. Consult your doctor about operating this equipment while taking prescription or over-the-counter medications.
- Safe operation of equipment requires the operator's full attention. Avoid distractions such as radio headphones, cell phones, etc. while operating.
- Contact with underground gas lines or electrical cables may result in serious injury or death from explosion or electrical shock. Before operating, call 811 or the local number to locate underground utilities.
- Do not remove stumps near underground utility lines.
- Before beginning operation, clear the work area of objects which might be picked up and thrown by or entangled in the Stump Auger.
- Before you operate the attachment, check over all pins, bolts, and connections to be sure all are securely in place. Replace any damaged or worn parts immediately.
- Never replace the retaining bolt with anything other than one that meets the original equipment manufacturer's standards and requirements. A longer, or protruding, fastener is more likely to grab clothing or gloves, which can result in serious injury or death.
- Keep all helpers and bystanders twenty-five feet (25') away from an operating Stump Auger.
- Keep hands, feet, hair, jewelry, and clothing away from all moving and/or rotating parts.
- Never place yourself between the vehicle and the attachment.
- Never position the Stump Auger by hand or with any tool when the vehicle is running.
- Do not shovel shavings away from a rotating Stump Auger as the shovel can be caught and thrown by the auger.
- A heavy load can cause instability of the vehicle. Use extreme care during travel. Slow down on turns and watch out for bumps. Use all safety devices, including a seat belt, as recommended in the vehicle operator's manual.

Safety

(continued)

- Do not operate the Stump Auger on steep hillsides. When planing stumps on uneven or hilly terrain, position the vehicle with the hydraulic auger drive unit uphill. With the hydraulic auger drive unit downhill, the vehicle could tip when planing stumps. Consult your vehicle operator's manual for maximum incline allowable.
- Always shut off the vehicle engine, remove the key, lower vehicle arms, and relieve all hydraulic pressure before dismounting the vehicle. Never leave equipment unattended with the vehicle running.
- Never attempt adjustments, service, or repairs while the attachment is in operation.
- Never work under equipment supported by hydraulics. Even with the vehicle shut off, the attachment can suddenly drop if controls are actuated or if hydraulic lines burst.
- Store the Stump Auger on a flat, level surface in an area where children do not play. Securely block and support the attachment.
- Do not modify the attachment. Modifications may weaken the integrity of the attachment and may impair the safety, function, life, and performance of the Stump Auger.
- When making repairs or servicing the Stump Auger, use only parts that meet original equipment manufacturer's standards and requirements.
- Always use care when operating the Stump Auger. Most accidents occur because of neglect or carelessness.

Safety is a primary concern in the design, manufacture, sale, and use of the Stump Auger. Danuser confirms to you, our customer, our concern for safety.

DANGER

Improper operation of this Stump Auger can cause serious personal injury or death. Operation of this Stump Auger should only be done by a competent adult acting in compliance with the Operator's Manual. Since planing operations are beyond our control, we disclaim all liability for any damages, injuries, or death which may result.

WARNING

This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

Decals & Safety Signs

The Stump Auger comes equipped with all safety signs in place. Their locations are shown in this section. Read and follow their instructions and ensure their care:

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing, illegible, or damaged.

To install new safety signs, follow these steps:

1. Clean the area where the safety sign is to be placed.
2. Spray a little soapy water on the surface where the safety sign is to be placed.
3. Peel the backing from the safety sign, and apply it in the position shown.
4. Firmly press the safety sign, and squeeze out the air bubbles with a straight edge (e.g., a credit card).

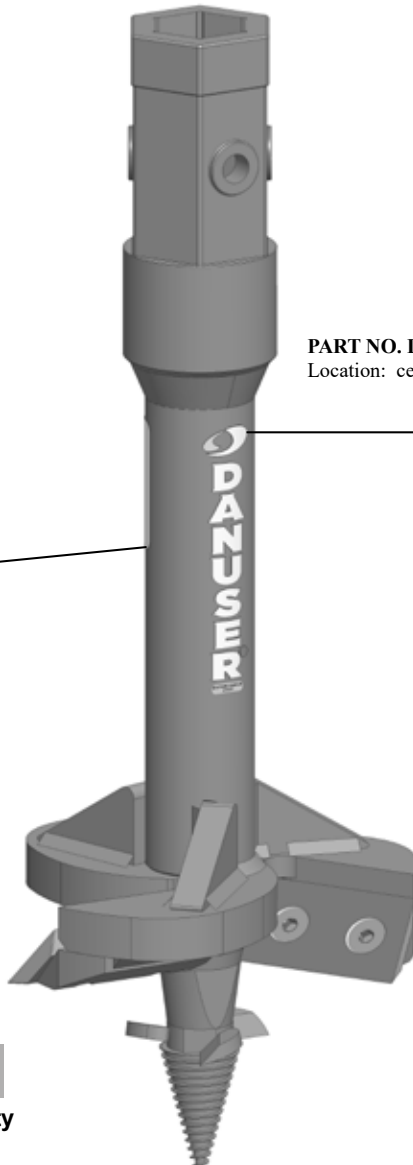
PART NO. DIG66

Location: center column



PART NO. DANUSER111

Location: center column

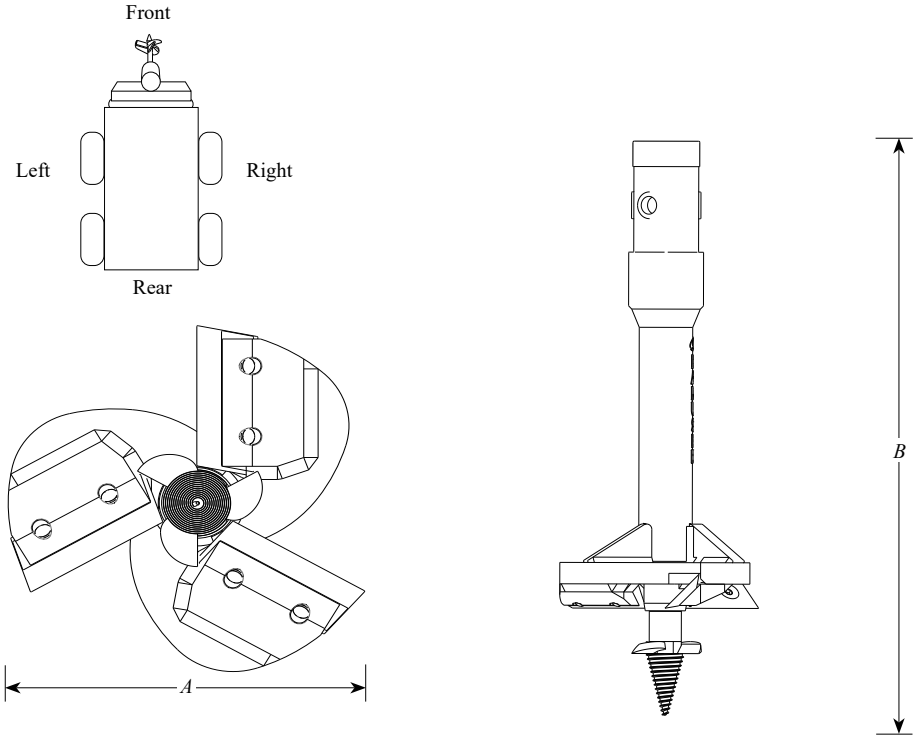


⚠ WARNING

Clean or replace all safety signs if they cannot be clearly read and understood.

Specifications

Operator's Manual
Direction Terminology



Stump Auger	10"	16"
Diameter (A)	10"	16"
Overall Height (B)	27"	
Weight	50 lb.	70 lb.
Cutting Blades	3	6
Center Column	2" Hex	
Minimum Required Torque	1,700 ft.-lb.	3,000 ft.-lb.

Assembly & Installation

WARNING

Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, maintenance, service, removal, or movement of the attachment.

CAUTION

Always use two people to handle heavy, unwieldy components during assembly, installation, maintenance, service, removal, or movement of the attachment.

Operation

DANGER

It is the responsibility of the operator to see that no one is within twenty-five feet (25') of the Stump Auger before and during Stump Auger rotation. Do not operate the Stump Auger with another person near or in contact with any part of the drive unit or Stump auger. Serious personal injury or death may result if any attempt is made to assist planing operation by hand.

WARNING

Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, maintenance, service, removal, or movement of the attachment.

Prepare the Vehicle

Read and understand the manual for your vehicle before assembling or installing the Stump Auger. This Stump Auger is designed to be used in conjunction with a hydraulic auger drive unit mounted to the front of the vehicle. The Stump Auger must be positioned such that all planing operations can be easily seen.

WARNING

Do not use the Stump Auger on a power take-off (PTO) driven post hole digger.

Recommended Tools

- 1-1/8" wrench (2)
- Box cutter/metal snips

- STEP 1: Remove pallet, banding, and any other packaging materials.
- STEP 2: Grease the inside of the auger collar and attach the Stump Auger using PN 10038 (3/4" - 10 x 4", Gr. 8) Retaining Bolt and PN 10041 Nut included with your Danuser drive unit.

WARNING

Never replace the Stump Auger retaining bolt with anything other than the specified length bolt in this manual. A longer, or protruding, fastener is more likely to grab clothing or gloves, which can result in serious injury or death.

DANGER

Contact with underground gas lines or electrical cables may result in serious injury or death from explosion or electrical shock. Before operating, call 811 or the local number to locate underground utilities. Do not remove stumps near underground utility lines.

WARNING

Before you operate the attachment, check over all bolts and connections to be sure all are securely in place. Replace any damaged or worn parts immediately.

- STEP 1: Contact local utility companies to make certain there are no buried gas lines, electrical cables, etc., in the work area. Clear area of objects that could wrap around the Stump Auger or might be thrown. Check for ditches, stumps, holes, or other obstacles that could cause the vehicle to roll.
- STEP 2: Survey the stump and determine your starting location and any overlapping locations.

Operation

(continued)

⚠ WARNING

Safe operation of equipment requires the operator's full attention. Avoid distractions such as radio headphones, cell phones, etc. while operating.

⚠ DANGER

Do not allow riders on the equipment at any time. There is no safe place for any riders.

⚠ DANGER

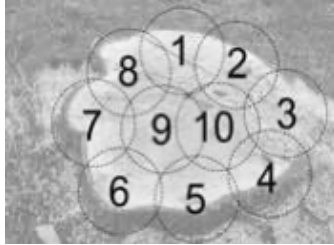
To prevent injury, keep area of at least twenty-five feet (25') around the Stump Auger clear of bystanders and all other people.

⚠ DANGER

Do not shovel shavings away from a rotating Stump Auger as the shovel can be caught and thrown by the auger.

NOTE

If the stump has a larger diameter than the Stump Auger, use a multi-spot approach by planing in multiple locations and overlapping each location to ensure complete removal.



STEP 3: Lower the Stump Auger point slowly to the stump with the auger not powered.

NOTE

For mounts including a cradle, the drive unit should not come into contact with the cradle during planing maneuvers. While planing, maintain the quick attach plate in a position as close to horizontal as possible.

STEP 4: Place the loader arms in the float position. If the vehicle is not equipped with float, the loader arms should be lowered, applying down force to the stump.

STEP 5: With the Stump Auger pilot lowered to the stump and before actuating the drive unit, move the vehicle slowly left, right, forward, or backward as needed until the Stump Auger appears vertical to the stump.

⚠ DANGER

Never position the Stump Auger by hand or with any tool when the vehicle is running.

STEP 6: Engage the auxiliary hydraulics to start the Stump Auger's rotation in the clockwise direction and increase the speed as required so shavings are conveyed from the hole.

NOTE

Operating the Stump Auger at high RPMs can cause loss of pilot thread engagement and accelerated wear of the blades and pilot.

NOTE

If the pilot threads lose engagement on the stump, moving the vehicle slowly left and right, can reset the pilot's engagement in the stump. Do not pull forward with the Stump Auger in a stump. The drive unit could come into contact with the cradle causing damage.

STEP 7: When the Stump Auger has reached the desired depth, deactivate the drive unit, lift the loader arms and reposition the pilot to a new location. Repeat steps 3-6 until stump is completely removed.

Removal & Storage

DANGER

Never allow anyone under the attachment at any time.

WARNING

Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, maintenance, service, removal, or movement of the attachment.

CAUTION

Always use two people to handle heavy, unwieldy components during assembly, installation, maintenance, removal, or movement of the attachment.

Before storage, the Stump Auger should be thoroughly cleaned, washing off all dirt and grime. Always store the Stump Auger in a dry, covered location.

STEP 1: If storing the attachment, lower the hydraulic auger drive unit and Stump Auger onto a flat, level surface in an area where children do not play. Follow your vehicle operator's manual for removing an attachment. Securely block and support the attachment.

NOTE

Take care to gently set down the Stump Auger. The weight of the hydraulic auger drive can cause damage to the blade(s) of the Stump Auger by scraping the ground. To avoid damage, slowly drive the vehicle backward while lowering the unit.

STEP 2: If storing the Stump Auger disconnected from the hydraulic auger drive unit, remove the retaining bolt and nut. Separate the Stump Auger from the drive unit, and lower it onto a flat, level surface in an area where children do not play. Replace the retaining bolt and nut for storage.

STEP 3: Replace any damaged or missing safety signs.

Troubleshooting

Problem	Possible Cause	Solution
Stump Auger not cutting	Dull cutting blades	Sharpen, flip over, or replace cutting blades.
	Worn pilot threads	Replace pilot.
	Inadequate down force	If vehicle arms are not in float mode, make sure downforce is being applied at all times by lifting the front of the vehicle off the ground.
	Loss of pilot thread engagement due to excessive RPM	Reduce RPM. Moving the vehicle slowly left and right can reset the pilot's engagement in the stump. Do not pull forward with the Stump Auger in a stump, the drive unit could come into contact with the cradle causing damage.

For additional assistance, please call your dealer or contact Danuser direct:

Tel: (573) 642-2246 Fax: (573) 642-2240
E-mail: sales@danuser.com

Maintenance

⚠ DANGER

Never allow anyone under the attachment at any time.

⚠ WARNING

Personal protection equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, maintenance, service, removal, or movement of the attachment.

Service

Cutting Blade Sharpening, Indexing, or Replacement

⚠ CAUTION

Cutting edges and pilot assembly are sharp and can cause lacerations. Use caution when in contact with and wear personal protection equipment.

Proper maintenance is key to the long life of the Stump Auger. Careful inspection and routine maintenance helps avoid costly downtime and repair. Do not use the Stump Auger with any damaged parts.

⚠ DANGER

Never replace the retaining bolt with anything other than one that meets the original equipment manufacturer's standards and requirements. A longer, or protruding, fastener is more likely to grab clothing or gloves, which can result in serious injury or death.

⚠ WARNING

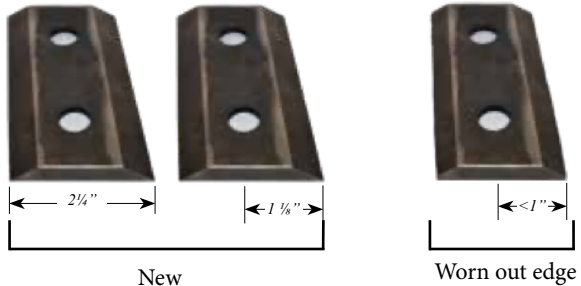
Do not modify the attachment. Modifications may weaken the integrity of the attachment and may impair the safety, function, life, and performance of the Stump Auger.

Maintenance	Interval
Inspect the attachment for any damage or worn parts. Repair or replace as necessary.	Before each use
Check for damaged or missing safety signs. Replace as necessary.	Before each use
Visually inspect all welds for cracks. Check all bolts and fasteners for tightness.	Before each use

Recommended Tools:

- 5/16" ball end Allen key
- Cheater bar

STEP 1: If cutting blade edge is dull or nicked, it should be sharpened, indexed, or replaced. A cutting blade edge is worn out when there is less than 1" remaining from the edge to the center of the hole.



Service

Cutting Blade Sharpening, Indexing, or Replacement (continued)

- STEP 2: Remove debris from hex hole of flat head screws.
- STEP 3: Using a 5/16" ball end Allen key and a cheater bar, remove the flat head screws securing the cutting blade.
- STEP 4: To sharpen cutting blade, grind beveled edge at the same angle as the original. Sharpen only the bottom side of the cutting edge. If cutting edge is worn out, index cutting blade to opposite edge. If both cutting edges are worn out, replace cutting blade.
- STEP 5: Clean mounting surface of all debris before replacing the blade.
- STEP 6: Place cutting blade in the desired orientation and install using the flat head screws. Tighten flat head screws using a 5/16" ball end allen key.

Service

Pilot Assembly Sharpening, or Replacement

CAUTION

Cutting edges and pilot assembly are sharp and can cause lacerations. Use caution when in contact with and wear personal protection equipment.

Recommended Tools:

- 1-1/2" wrench
- Gas or propane torch







- STEP 1: Using a 1-1/2" wrench and gas or propane torch, remove the pilot assembly.

NOTE

After use, the pilot assembly may get to a point where it is very difficult to remove from the Stump Auger. Applying heat to the center column may aid in removing the pilot assembly. Do not apply heat directly to the pilot assembly as it is heat treated and may affect the hardness, causing accelerated wear.

- STEP 2: Inspect the pilot assembly for damage to the blades or threads. If the blades show excessive wear or threads are missing, replace the pilot assembly. The blades may be sharpened if wear is not excessive.
- STEP 3: To sharpen the blades, clamp the wrench flats securely in a vise.
- STEP 4: File or grind the blade bevel to same angle. Sharpen only the top side.
- STEP 5: To replace the pilot assembly, apply an anti-seize lubricant to the threads and screw the pilot assembly into the Stump

Torque Values Chart

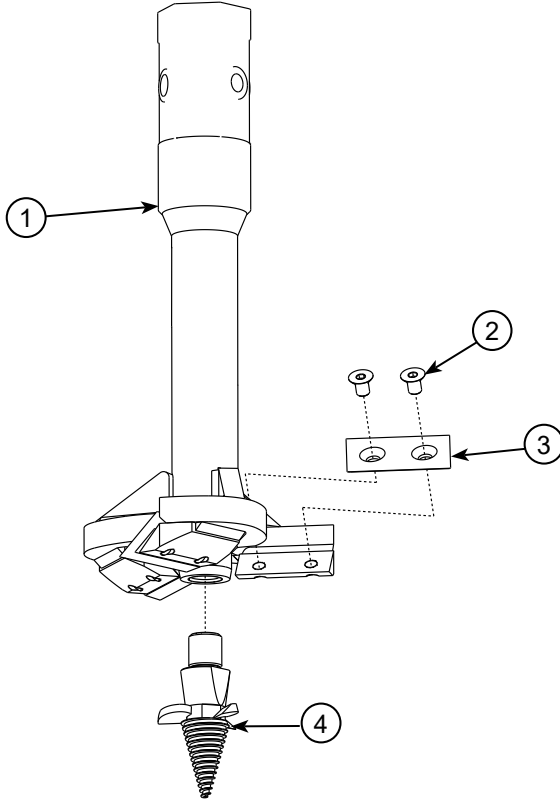
Torque Values Chart													
Bolt Size (inches)	Bolt Head Identification						Bolt Size (Metric)	Bolt Head Identification					
	 Grade 2		 Grade 5		 Grade 8			 Class 5.8		 Class 8.8		 Class 10.9	
in-tpi	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.	mm x pitch	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.
1/4"-20	7.4	5.6	11	8	16	12	M5 x 0.8	4	3	6	5	9	7
1/4"-28	8.5	6	13	10	18	14	M6 x 1	7	5	11	8	15	11
5/16"-18	15	11	24	17	33	25	M8 x 1.25	17	12	26	19	36	27
5/16"-24	17	13	26	19	37	27	M8 x 1	18	13	28	21	39	29
3/8"-16	27	20	42	31	59	44	M10 x 1.5	33	24	52	39	72	53
3/8"-24	31	22	47	35	67	49	M10 x 0.75	39	29	61	45	85	62
7/16"-14	43	32	67	49	95	70	M12 x 1.75	58	42	91	67	125	93
7/16"-20	49	36	75	55	105	78	M12 x 1.5	60	44	95	70	130	97
1/2"-13	66	49	105	76	145	105	M12 x 1	90	66	105	77	145	105
1/2"-20	75	55	115	85	165	120	M14 x 2	92	68	145	105	200	150
9/16"-12	95	70	150	110	210	155	M14 x 1.5	99	73	155	115	215	160
9/16"-18	105	79	165	120	235	170	M16 x 2	145	105	225	165	315	230
5/8"-11	130	97	205	150	285	210	M16 x 1.5	155	115	240	180	335	245
5/8"-18	150	110	230	170	325	240	M18 x 2.5	195	145	310	230	405	300
3/4"-10	235	170	360	265	510	375	M18 x 1.5	220	165	350	260	485	355
3/4"-16	260	190	405	295	570	420	M20 x 2.5	280	205	440	325	610	450
7/8"-9	225	165	585	430	820	605	M20 x 1.5	310	230	650	480	900	665
7/8"-14	250	185	640	475	905	670	M24 x 3	480	355	760	560	1050	780
1"-8	340	250	875	645	1230	910	M24 x 2	525	390	830	610	1150	845
1"-12	370	275	955	705	1350	995	M30 x 3.5	960	705	1510	1120	2100	1550
1-1/8"-7	480	355	1080	795	1750	1290	M30 x 2	1060	785	1680	1240	2320	1710
1-1/8"-12	540	395	1210	890	1960	1440	M36 x 3.5	1730	1270	2650	1950	3660	2700
1-1/4"-7	680	500	1520	1120	2460	1820	M36 x 2	1880	1380	2960	2190	4100	3220
1-1/4"-12	750	555	1680	1240	2730	2010	KEY: in-tpi = nominal thread diameter in inches-threads per inch Nm = Newton-meter ft.-lb. = foot pounds mm x pitch = nominal thread diameter in millimeters by thread pitch						
1-3/8"-6	890	655	1990	1470	3230	2380							
1-3/8"-12	1010	745	2270	1670	3680	2710							
1-1/2"-6	1180	870	2640	1950	4290	3160							
1-1/2"-12	1330	980	2970	2190	4820	3560							

Torque tolerance +0%, -15% of torque values. Unless otherwise specified, use torque values listed above.

Parts

⚠ WARNING

This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

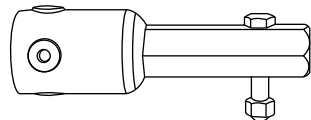


REF. NO.	PART NO.	DESCRIPTION	QTY.	MODELS
1	190127	10" Stump Auger (includes REF. NOS 2-4)	1	10"
	200199	16" Stump Auger (not pictured, includes REF. NOS 2-4)	1	16"
2	196022	Hex Drive Flat Head Screw (1/2"-20 x 3/4")	6	10"
	196022	Hex Drive Flat Head Screw (1/2"-20 x 3/4")	12	16"
3	190132	Cutting Blade	3	10"
	200204	Cutting Blade	6	16"
4	190178	Pilot Assembly	1	Both Models

Accessories

Auger Adapter

PN 10923 - Allows Stump Auger to connect onto 2-9/16" round output spindles with 7/8" bolt hole. Not for use with power take-off (PTO) driven post hole diggers.



Warranty

DANUSER

LIMITED WARRANTY

Danuser LLC ("Danuser") warrants its products, under normal use and maintenance, to be free from defects in material and workmanship for period(s) specified below from the purchase date from an authorized Danuser Dealer. Start of the warranty period is determined by purchase date. Proof of purchase may be required. This Limited Warranty is extended only to the original purchaser of Danuser products.

Stump Auger - 1 Year

Wear Items Not Covered Under Warranty - Cutting Blades and Pilot Assembly

1. During the applicable warranty period, Danuser, at its option, will repair or replace any part determined by Danuser to be defective. Such repair or replacement shall take place at Danuser's factory or a location designated by Danuser. Under no circumstances shall Danuser be obligated for the cost of any repair or replacement by anyone other than Danuser without its express written consent.
2. Parts may not be returned without written authorization from Danuser.
3. Some purchased components, including but not limited to hydraulic components, are subject to the inspection and warranty of the respective manufacturer. Thus, delays in a warranty determination can be expected while Danuser awaits their decision.
4. This warranty is void if any attempt is made to make field repairs to hydraulic components. To qualify for warranty inspection, the "failed" part(s) must be returned in its original "failed" condition.
5. To make a claim under this warranty, first contact your authorized Danuser Dealer. The Danuser Dealer shall complete the Warranty Claim Form and obtain written authorization from Danuser to return parts. All warranty claims must include detailed information regarding make and model of vehicle on which the Danuser product was mounted, hours of use, description of events that led up to the failure, and any other information helpful in reviewing the warranty claim. All warranty returns must be prepaid. Shipments arriving at our factory on a freight collect basis will be refused by our receiving department. The freight charge will be credited if the parts are determined by Danuser to be defective, and the associated freight costs in returning those parts will be prepaid by Danuser. NOTE: Hydraulic components must arrive with all ports sealed from dirt and moisture. If a hydraulic component arrives with open ports, the warranty is void and no inspection will be made.
6. Products or parts thereof which, as determined by Danuser's examination, show wear from normal use, have been improperly operated, damaged by accident or negligence, field repaired, altered or modified are not considered defective in material and workmanship and are not covered by this warranty. This warranty does not apply to parts subject to normal wear ("Wear Items") or to damage caused by the failure to perform recommended maintenance or to replace worn parts. This warranty shall not obligate Danuser to bear any cost of labor for field repair, replacement, testing, or adjustment nor for damage caused by accident, abuse, misuse, or environmental elements.
7. Any parts or labor required to repair or replace parts not covered under this warranty will be charged to the customer. Parts repaired or replaced by Danuser are then covered by this warranty only for the remainder of the original warranty as if such parts were original parts.
8. Danuser reserves the right to change its specifications and designs at any time.

This warranty is exclusive and in lieu of all other express warranties, if any, including the implied warranties of merchantability and fitness for a particular purpose. It shall not extend beyond the duration of the expressed warranty provided herein and the remedy for violations of any implied warranty shall be limited to repair or replacement of the defective part pursuant to the terms contained herein. No employee, dealer, salesman, or representative is authorized to change this warranty in any way or grant any other warranty. Danuser shall not be liable for any consequential, incidental, or punitive damages, losses, or expenses, including those resulting from or caused by any defects.

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